## SOIL REMEDY ALTERNATIVE XX: IN SITU STABILIZATION

Mobilization	N Original acres: RADD acres:	1.34	0.8		Total:	Original \$2,093,138.09	RADD \$1,263,120.53
1. Modification  1. Sessume 1. 22 2. De Dozer (4) 1. Sessume 1. 22 2. Compactors (4) 1. Sessume 1. 24 2. Water Truck (4) 1. Sessume 1. 24 2. Water Truck (4) 1. Ses 6.3 Ses 6.3 Ses 6.3 per hour 1. S2,772.16 1. Sessume 1. 24 2. Water Truck (4) 1. Ses 6.3 Ses 6.3 per hour 1. S2,772.16 1. Sessume 1. 24 2. Dump Truck (4) 1. Ses 6.3 Ses 6.3 per hour 1. S2,772.16 1. Ses 7.72.16 1. Ses	TO ES do l'oc.	Original		Original	RADD		
Assume	1. Mobilization	J		J		\$18,019.04	\$18,019.04
Assume 9.24 24 Water Truck (4) \$86.63 \$86.63 per hour \$2,772.16 \$2,772.16 Assume 9.24 24 Unmp Truck (4) \$86.63 \$86.63 per hour \$2,079.12 \$2,0079.12 Assume 9.24 24 Unmp Truck (4) \$86.63 \$86.63 per hour \$2,079.12 \$2,0079.12 Assume 9.24 \$294 Loader (4) \$86.63 \$86.63 per hour \$2,077.21 \$2,0079.12 Assume 9.24 \$294 Loader (4) \$86.63 \$86.63 per hour \$2,772.16 \$2,772.16 Assume \$64 64 210 trackhoe (8) \$86.63 \$86.63 per hour \$2,772.16 \$2,772.16 Assume \$58.579 state (4) \$86.63 \$86.63 per hour \$2,772.16 \$2,772.16 Assume \$58.370 34,448 sqlt of foundation and pavement removal \$2.00 \$2.00 per hour \$3116,740.00 \$86.869.00 \$3.00 per hour \$116,740.00 \$86.869.00 \$3.00 per hour \$116,740.00 \$86.869.00 \$3.00 per hour \$20,625.00 \$2.00 per hour \$20,625.00 \$82.00 per hour \$20,625.00 \$2.00 per hour \$2,00,625.00 per hour	Assume	32	32 D6 Dozer (4)	\$86.63	\$86.63 per hour		\$2,772.16
Assume			` '		•		
Assume	Assume				•		
Assume					•		
Assume   64   64 210 trackhoe (6)   \$86.63   \$					•		
Assume					•		
Assume	Foundation and Pavement Removal					\$116.740.00	\$69.696.00
Assume		58,370	34,848 sqft of foundation and pavement removal	\$2.00	\$2.00 per hour		
Assume	3. Excavation (50 cubic yards per hour)					\$323,022.70	\$192,849.37
Assume         307         183 contractor supervisor         \$66.00         \$66.00         \$60.00 per hour         \$20,262.00         \$12,096.72           Assume         1,226         732 dump truck         \$81.64         \$81.64 per hour         \$100,090.64         \$59,755.61           Assume         10,170         6,072 fly ash         \$32,24         \$32.24 per ton delivered         \$327,890.80         \$195,749,73           Assume         11,226         732 trackhoes         \$165.31         \$165.31 per hour         \$202,670.06         \$120,997.05           Assume         613         366 coopers         \$127.89         \$127.89         \$127.89 per hour         \$76,396.57         \$46,803.92           Assume         613         366 compactors         \$87.65         \$87.65 per hour         \$53,729.45         \$32,077.28           Assume         613         366 loader at stock pile         \$101.63         \$101.63 per hour         \$50,453.2         \$29,987.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80         \$32,947.80<		1,226	732 trackhoes	\$165.31	\$165.31 per hour	\$202,670.06	
A. Stablization	Assume	307	183 contractor supervisor	\$66.00	·		\$12,096.72
Assume	Assume		•		•		
Assume	4. Stablization					\$900,991.75	\$537,905.52
Assume 613 366 dozers \$127.89 \$127.89 \$re hour \$78,396.57 \$46,803.92 Assume 613 366 compactors \$87.65 \$87.65 per hour \$53,729.45 \$32,077.28 Assume 613 366 loader at stock pile \$101.63 \$101.63 per hour \$62,299.19 \$37,193.55 Assume 613 366 water wagon \$81.64 \$81.64 per hour \$50,045.32 \$29,877.80 Assume 613 366 dump truck \$102.72 \$102.72 per hour \$50,045.32 \$29,877.80 Assume 613 366 dump truck \$102.72 \$102.72 per hour \$62,967.36 \$37,592.45 Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34,515.00 \$20,605.97 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,088.00 \$6,028.66 Assume 613 366 labor \$30.00 \$30.00 per hour \$10,088.00 \$6,028.66 Assume \$45.00 \$30.00 \$30.00 per hour \$18,390.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$45.00 per hour \$10,088.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$45.00 per hour \$10,088.00 \$10,979.10 \$5. Confirmation Sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume 41 13 samples (16 samples per acre) \$0.00 \$0	Assume	10,170	6,072 fly ash	\$32.24	\$32.24 per ton delivered	\$327,880.80	\$195,749.73
Assume 613 366 compactors \$87.65 \$87.65 per hour \$53,729.45 \$32,077.28 Assume 613 366 loader at stock pile \$101.63 \$101.63 per hour \$62,299.19 \$37,193.55 Assume 613 366 water wagon \$81.64 \$81.64 per hour \$60,299.19 \$37,193.55 Assume 613 366 dump truck \$102.72 \$102.72 per hour \$62,967.36 \$37,592.45 Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34,515.00 \$20,605.97 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$6,028.66 Assume 613 366 labor \$30.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume 510.00 \$36.00 per hour \$10,098.00 \$6,028.66 Assume 510.00 \$36.00 per hour \$10,098.00 \$6,028.66 Assume 510.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume 510.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume 510.00 \$30.00 per hour \$10,098.00 \$10,079.10 \$10.00 \$1	Assume	1,226	732 trackhoes	\$165.31	\$165.31 per hour	\$202,670.06	\$120,997.05
Assume         613         366 compactors         \$87.65         \$87.65         per hour         \$53,729.45         \$32,077.28           Assume         613         366 loader at stock pile         \$101.63         \$101.63         \$er hour         \$62,299.19         \$37,193.55           Assume         613         366 water wagon         \$81.64         \$81.64 per hour         \$50,045.32         \$29,877.80           Assume         613         366 dump truck         \$102.72         \$102.72 per hour         \$62,967.36         \$37,592.45           Assume         767         458 compaction tests         \$45.00         \$45.00 per hour         \$34,515.00         \$20,605.97           Assume         153         91 contractor supervisor         \$66.00 per hour         \$10,980.00         \$6,002.96           Assume         613         366 labor         \$30.00         \$30.00 per hour         \$10,980.00         \$6,002.97           Assume         41         13 samples (16 samples per acre)         \$0.00         \$0.00         \$0.00         \$0.00           Assume         41         13 SPLP confirmation sample         \$845.00 per sample         \$345.465.00         \$10,816.465         \$10,816.465         \$10,816.465         \$10,816.465         \$10,816.465         \$10,816.465	Assume	613	366 dozers	\$127.89	\$127.89 per hour	\$78,396.57	\$46,803.92
Assume 613 366 loader at stock pile \$101.63 \$101.63 per hour \$62,299.19 \$37,193.55 Assume 613 366 water wagon \$81.64 \$81.64 per hour \$50,045.32 \$29,877.80 Assume \$102.72 \$102.72 per hour \$50,045.32 \$29,877.80 Assume \$102.72 \$102.72 per hour \$50,045.32 \$29,877.80 Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34,515.00 \$22,6605.97 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$6,028.66 Assume \$153 91 contractor supervisor \$66.00 \$66.00 per hour \$18,390.00 \$10,979.10 \$2.0605.97 Assume \$141 13 samples (16 samples per acre) \$94,645.00 \$46.00 per hour \$18,390.00 \$10,979.10 Assume \$41 13 samples (16 samples per acre) \$9.00 \$0.00 \$0.00 \$0.00 \$30.00 Assume \$41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume \$41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume \$41 13 SPLP confirmation sample \$845.00 \$500.00 per day \$60,000.00 \$35,820.90 \$1.000 \$35,820.90 \$1.000 \$35,820.90 \$1.000 \$35,820.90 \$1.000 \$35,820.90 \$1.000 \$35,820.90 \$1.0000 \$35,920.00 \$35	Assume	613	366 compactors	\$87.65	·	\$53,729.45	\$32,077.28
Assume 613 366 water wagon \$81.64 \$81.64 per hour \$50,045.32 \$29,877.80 Assume 613 366 dump truck \$102.72 \$102.72 per hour \$62,967.36 \$37,592.45 Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34.51.50 \$20,605.97 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$6,028.66 Assume 513 366 labor \$30.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume \$30.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume \$41 13 samples (16 samples per acre) \$94,645.00 \$46,636.90 Assume 41 13 samples (16 samples per acre) \$0.00 \$0.00 \$0.00 \$0.00 Assume 41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 \$36,029.00 Assume \$120 72 days rental equpment at \$500.00 \$500.00 per day \$60,000.00 \$35,820.90 \$35,920.00 \$35,	Assume	613	366 loader at stock pile	\$101.63	\$101.63 per hour	\$62,299.19	\$37,193.55
Assume 613 366 dump truck \$102.72 \$102.72 per hour \$62,967.36 \$37,592.45 Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34,515.00 \$20,605.26 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$60,028.66 Assume 613 366 labor \$30.00 \$30.00 per hour \$18,390.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$46.00 per hour \$18,390.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$46.00 per hour \$18,390.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$46.00 per hour \$18,390.00 \$10,979.10 \$6.000 Assume 41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume \$120 72 days rental equpment at \$500.00 \$500.00 per day \$60,000.00 \$35,820.90 \$6. AMEC Excavation Contractor Field Oversight \$100,474.00 \$59,984.48 Assume 42.4 months office trailer at \$500.00 \$500.00 per month \$2,000.00 \$11,940.00 \$11,940.00 \$59,984.48 Assume \$88 53 days per diem/lodging/truck rental at \$260.00 \$260.00 per day \$22,880.00 \$13,659.70 Assume 879 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75 \$7. Project Management & Reporting \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,000.00 Assume \$1 1 AMEC project management at 10% of all other cost \$35,000.00 Lump Sum \$35,000.00 \$35,000.	Assume	613	·	\$81.64	·	\$50,045.32	\$29,877.80
Assume 767 458 compaction tests \$45.00 \$45.00 per hour \$34,515.00 \$20,605.97 Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$6,028.66 Assume 613 366 labor \$30.00 \$30.00 per hour \$10,098.00 \$6,028.66 Assume \$30.00 \$30.00 per hour \$18,390.00 \$10,979.10 \$5. Confirmation Sampling \$94,645.00 \$41.00 \$10,979.10 \$10.00 \$10,979.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10,079.10 \$10.00 \$10.00 \$10.00 \$10,079.10 \$10.00 \$	Assume	613	366 dump truck	\$102.72	\$102.72 per hour	\$62,967.36	\$37,592.45
Assume 153 91 contractor supervisor \$66.00 \$66.00 per hour \$10,098.00 \$6,028.66 Assume \$30.00 \$30.00 per hour \$118,390.00 \$10,979.10 \$10,979.10 \$10,979.10 \$10,979.10 \$10,098.00 \$30.00 per hour \$18,390.00 \$10,979.10 \$10,9	Assume	767	·	\$45.00	•	\$34,515.00	\$20,605.97
Assume 613 366 labor \$30.00 \$30.00 per hour \$18,390.00 \$10,979.10  5. Confirmation Sampling Assume 41 13 samples (16 samples per acre) \$0.00 \$0.00 \$0.00 Assume 41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume 120 72 days rental equpment at \$500.00 \$500.00 per day \$60,000.00 \$35,820.90  6. AMEC Excavation Contractor Field Oversight Assume 4 2.4 months office trailer at \$500.00 \$500.00 per month \$2,000.00 \$11,94.03 Assume 8 53 days per diem/lodging/truck rental at \$260.00 \$260.00 per day \$22,880.00 \$13,659.70 Assume 8 79 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75  7. Project Management & Reporting Assume 1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,000.00 Assume \$10,474.00 \$59,984.48  \$100,474.00 \$59,984.48  \$20,000.00 \$11,194.03  \$20,000.00 \$11,194.03  \$20,000.00 \$260.00 per day \$22,880.00 \$13,659.70  \$20,000.00 \$10,000  \$20,000 \$260.00 per day \$22,880.00 \$13,659.70  \$20,000 \$260.00 per day \$22,880.00  \$20,000 \$260.00 per day \$22,880.00  \$20,000 \$20,000  \$20,0			•		•		
Assume 41 13 samples (16 samples per acre) \$0.00 \$0.00 \$0.00 Assume 41 13 SPLP confirmation sample \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 Assume 120 72 days rental equpment at \$500.00 \$500.00 per day \$60,000.00 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.000 \$35,820.90 \$60.0000 \$60.0000 \$60			•		•		
Assume 41 13 samples (16 samples per acre) \$0.00	5. Confirmation Sampling					\$94,645.00	\$46,636.90
Assume       41 120       13 SPLP confirmation sample Assume       \$845.00 \$845.00 per sample \$34,645.00 \$10,816.00 \$35,820.90         6. AMEC Excavation Contractor Field Oversight       \$100,474.00 \$59,984.48         Assume       4 2.4 months office trailer at Assume       \$500.00 \$500.00 per month \$2,000.00 \$11,194.03         Assume       88 53 days per diem/lodging/truck rental at Assume       \$260.00 per day \$22,880.00 \$13,659.70         Assume       879 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75         7. Project Management & Reporting Assume       \$1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00		41	13 samples (16 samples per acre)		\$0.00	\$0.00	\$0.00
6. AMEC Excavation Contractor Field Oversight  Assume Assume 88 53 days per diem/lodging/truck rental at \$500.00 \$500.00 per month \$2,000.00 \$13,659.70 Assume 879 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75  7. Project Management & Reporting  Assume 1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$3	Assume	41		\$845.00	\$845.00 per sample	\$34,645.00	\$10,816.00
Assume       4       2.4 months office trailer at       \$500.00       \$500.00 per month       \$2,000.00       \$1,194.03         Assume       88       53 days per diem/lodging/truck rental at       \$260.00       \$260.00 per day       \$22,880.00       \$13,659.70         Assume       879       525 hours AMEC field supervisor at       \$86.00       \$86.00 per hour       \$75,594.00       \$45,130.75         7. Project Management & Reporting       \$190,389.25       \$127,509.13         Assume       1       1 Report       \$35,000.00       \$35,000.00 Lump Sum       \$35,000.00       \$35,000.00         Assume       1       1 AMEC project management at 10% of all other cost       \$155,389.25       \$92,509.13         8. Contingency       \$348,856.35       \$210,520.09	Assume	120	72 days rental equpment at	\$500.00	\$500.00 per day	\$60,000.00	\$35,820.90
Assume       4       2.4 months office trailer at       \$500.00       \$500.00 per month       \$2,000.00       \$1,194.03         Assume       88       53 days per diem/lodging/truck rental at       \$260.00       \$260.00 per day       \$22,880.00       \$13,659.70         Assume       879       525 hours AMEC field supervisor at       \$86.00       \$86.00 per hour       \$75,594.00       \$45,130.75         7. Project Management & Reporting       \$190,389.25       \$127,509.13         Assume       1       1 Report       \$35,000.00       \$35,000.00 Lump Sum       \$35,000.00       \$35,000.00         Assume       1       1 AMEC project management at 10% of all other cost       \$155,389.25       \$92,509.13         8. Contingency       \$348,856.35       \$210,520.09	6. AMEC Excavation Contractor Field Oversight					\$100,474.00	\$59,984.48
Assume 88 53 days per diem/lodging/truck rental at \$260.00 \$260.00 per day \$22,880.00 \$13,659.70 Assume 879 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75 \$7. Project Management & Reporting \$190,389.25 \$127,509.13 Assume 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,000.00 \$15,389.25 \$92,509.13 \$8. Contingency \$348,856.35 \$210,520.09		4	2.4 months office trailer at	\$500.00	\$500.00 per month		
Assume 879 525 hours AMEC field supervisor at \$86.00 \$86.00 per hour \$75,594.00 \$45,130.75  7. Project Management & Reporting Assume 1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,000.00 Assume 1 1 AMEC project management at 10% of all other cost \$155,389.25 \$92,509.13  8. Contingency \$348,856.35 \$210,520.09	Assume		53 days per diem/lodging/truck rental at		•		
Assume 1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,00			• • •				
Assume 1 1 Report \$35,000.00 \$35,000.00 Lump Sum \$35,000.00 \$35,00	7. Project Management & Reporting					\$190,389.25	\$127,509.13
Assume 1 1 AMEC project management at 10% of all other cost \$155,389.25 \$92,509.13  8. Contingency \$348,856.35 \$210,520.09		1	1 Report	\$35,000.00	\$35,000.00 Lump Sum		
		1	•	. ,	. ,		
	8. Contingency					\$348,856.35	\$210,520.09
		1	1 Continegency	20%			

## SOIL REMEDY ALTERNATIVE XX: IN SITU STABILIZATION

treatment area:	0.8 acr	res		Total:	\$1,263,121
troumont area.	0.0 401	00			
1. Mobilization					\$18,019
Assume	32	D6 Dozer (4)	\$86.63	per hour	\$2,772
Assume	32	compactors (4)	\$86.63	per hour	\$2,772
Assume	24	Water Truck (4)	\$86.63	per hour	\$2,079
Assume	24	Dump Truck (4)	\$86.63	per hour	\$2,079
Assume	32	924 Loader (4)	\$86.63	per hour	\$2,772
Assume	64	210 trackhoe (8)	\$86.63	per hour	\$5,544
2. Foundation and Pavement Re					\$69,696
Assume	34,848	sqft	\$2.00	per hour	\$69,696
3. Excavation (50 cubic yards pe	er hour)				\$192,849
Assume	732	trackhoes	\$165.31	per hour	\$120,997
Assume	183	contractor supervisor	\$66.00	per hour	\$12,09
Assume	732	dump truck	\$81.64	per hour	\$59,750
4. Stablization					\$537,900
Assume	6,072	fly ash	\$32.24	per ton delivered	\$195,750
Assume	732	trackhoes	\$165.31	per hour	\$120,997
Assume	366	dozers	\$127.89	per hour	\$46,80
Assume	366	compactors	\$87.65	per hour	\$32,07
Assume	366	loader at stock pile	\$101.63	per hour	\$37,194
Assume	366	water wagon	\$81.64	per hour	\$29,878
Assume	366	dump truck	\$102.72	per hour	\$37,592
Assume	458	compaction tests	\$45.00	per hour	\$20,600
Assume	91	contractor supervisor	\$66.00	per hour	\$6,029
Assume	366	labor	\$30.00	per hour	\$10,979
5. Confirmation Sampling					\$46,637
Assume	13	samples (16 samples per acre)			\$10,00
Assume	13	SPLP confirmation sample	\$845	per sample	\$10,81
Assume	72	days rental equpment at	\$500	per day	\$35,82
6. AMEC Excavation Contractor	Field Oversight				\$59,98
Assume	2.4	months office trailer at	\$500	per month	\$1,19
Assume	53	days per diem/lodging/truck rental	\$260	per day	\$13,660
Assume	525	hours AMEC field supervisor at	\$86	per hour	\$45,13°
7. Project Management & Repor	tina				\$127,509
Assume	1	Report	\$35,000	Lump Sum	\$35,000
Assume	1	AMEC project management at 10% of all other cost			\$92,509
8. Contingency					\$210,520
Assume	1	Continegency	20%		\$210,520